





































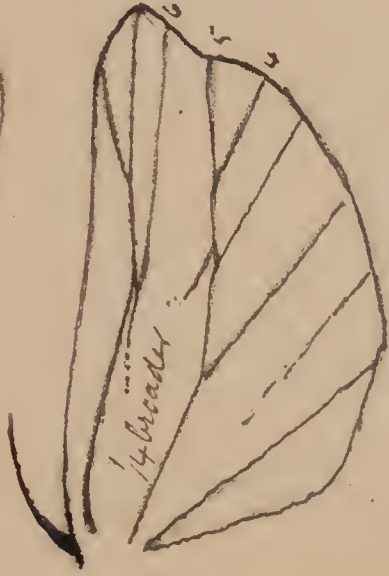
# Pyralidae. Y cut of 8

Diplopusis. Y cut of 8. Strongly with 7.

10 9 8 } from same stock

minima. Bk

5 } 10 9 8 } 7 } 6 } 5 } 4 } 3 } 2 } 1 } 1/2



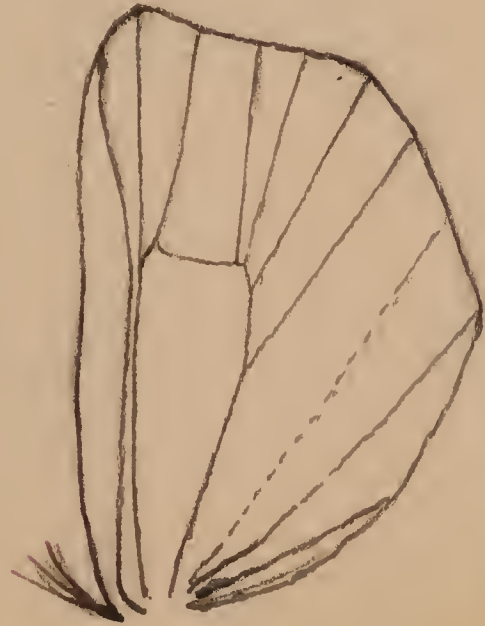
Shut apical part beneath



Siculodes ♀



Tongue developed



dentate



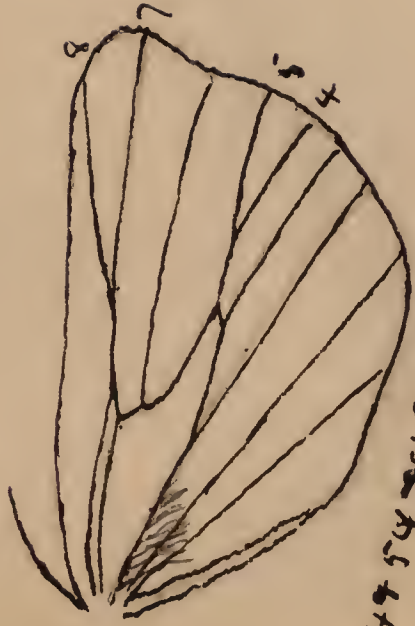
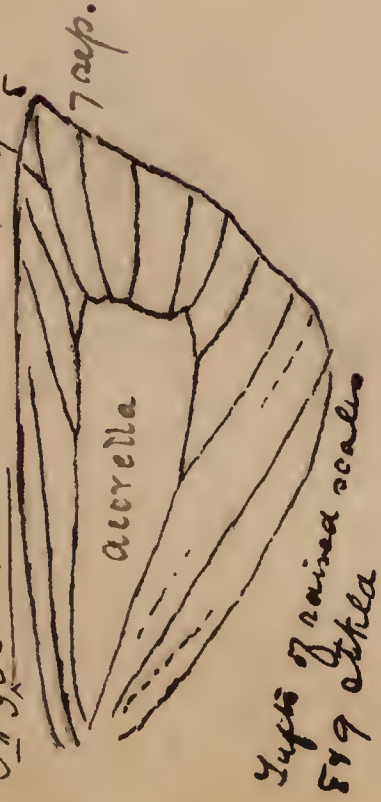
alictus 1/2  
1/2 h scaled on both



short.  
rough scaled

CRAMBIDÆ: Few with pecten of hairs on lower margin of cell.

Crycomima. Moyr. 11 sep. raised tufts of scales.



4 & 5 & 7 & 8 atkld  
6 atkld from 7 at origin

Diptychophora. Z. 11 coalescing with 12.



twice indented on upper  $\frac{1}{2}$   
8 & 9 atkld. 11 coalescing with 12.



b. mod. approx to 7. 7 & 8 atkld

7 & 9 pectenophanes, in most other sp. 8 & 9 are from a similar

6. mod. approx to 7. 7 & 8 atkld



7 out of 8. 8 & 9 sometimes coincident



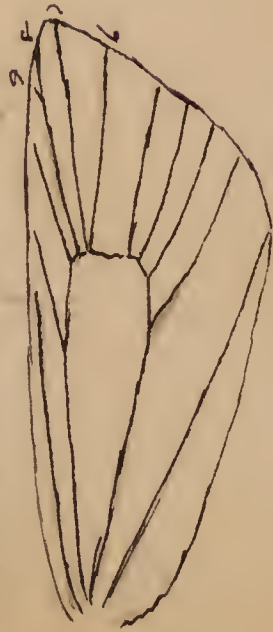


4 x 5 cm.  
orakla

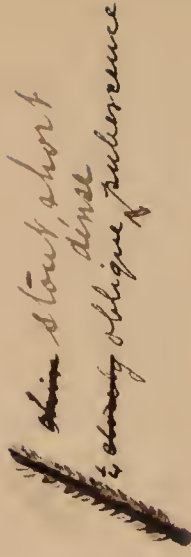
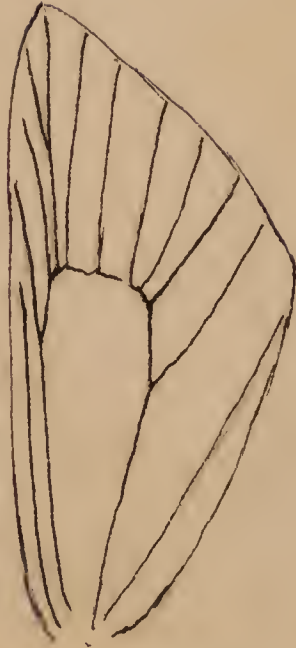
7 out of 6

Orocrambus Meyr. venation as Crambus, but underside of  
thorax & corae with long fine hairs

Helictetela (Proterocera)



Helictetela (Proterocera)



Tongue w/ denselized  
post. 1/2 under spurs 1/2 inner



Tongue w/ dens.

obsolete (Meyr in error?)

~~Helictetela~~ long.



long hairs beneath  
(long hairs above)

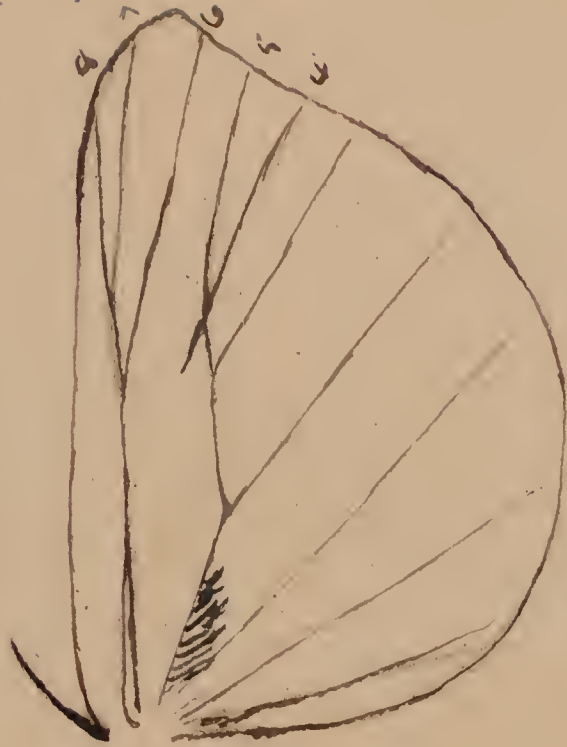


Thinasotia, Hb. 11 free, smooth, & with normal wings.



smooth. 11 sep.

photosticta



cell closed (Mayr.)

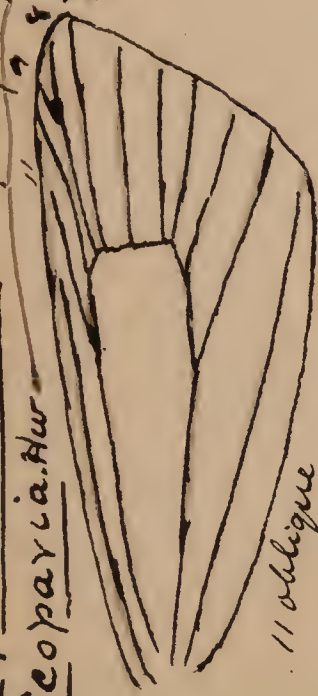
attenuate



# Pyraustidae

## Scoparia Hw

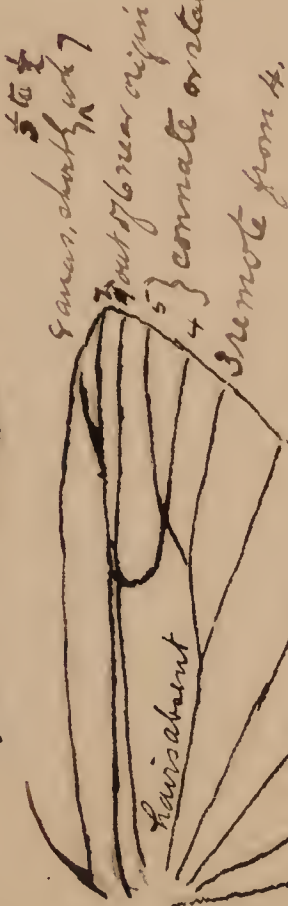
7 sep. pectination of lower med. absent generally



oblique

max. palp. long  
14w. 3 annals from 4  
4x5 connate or stalked

alt. 1/2 (2.85 1 1/2 9m.)



hairs absent

8 annas, short 1/2 w 7

7 out of 6 near origin

5 } connate or stalked

4 } remote from 4.

post. tib. outer spurs 1/2 inner

tongue developed

long

long dense scales, terminally exposed

long dense scales, terminally exposed

4x5 con. or stalked

## Xeroscopa Meyr. as Scoparia Hw. but discal area wh long

hairs

Disemia, Sn. max. palp. short. term. lab. palp. exposed. 14w 3.4.5. 7ol. unnoted



1 ann 1.

tongue w/d

8 annas, 7 shortly post. tib wh 11 spurs

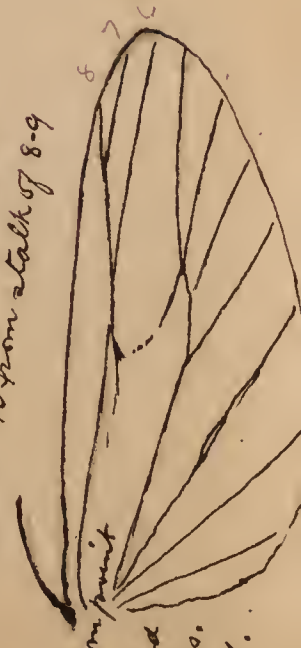


7 out of 6 near origin, annas. wh 8 shortly

Paraponyx 10 out of 8/9 10 out of 8/9



4x5 approx. 10 from stalk of 8-9



4x5 from point stalked 8 annas. wh 7. 2w 3

alt. 2/3 (4.7-5.9m.)

mod. loosely dilated at apex

terminal exposed

densely scaled beneath

pubescent-ciliate

tongue mod.

post. tib. outer spurs 1/2 inner

truncate obtuse

Necyria seppa. post. tib. mid. ap.  $\frac{1}{2}$



$\frac{4}{5}$  slightly serrate.

post. tib. outer ap.  $\frac{1}{2}$  -  $\frac{2}{3}$   
 mid. tib. dilated enclosing  
 base of hairs (hairs) not clear in  
 any sp. but depression is



7 out of 6 near apex

Nesarcha meyr. post. tib. mid. ap.  $\frac{1}{2}$



11. oblique

stout  
 $\frac{1}{4}$   
 $\frac{1}{4}$



3 remote, 4 & 5 approx.

post. tib. outer med. ap.  $\frac{1}{6}$   
 " " "  $\frac{1}{3}$  (Meyr)  
 $\frac{1}{2}$  (Ph)

inconspicuous





*Proternea. mayr. 8 ant. w. sulci in hind beneath.*

10 sp.

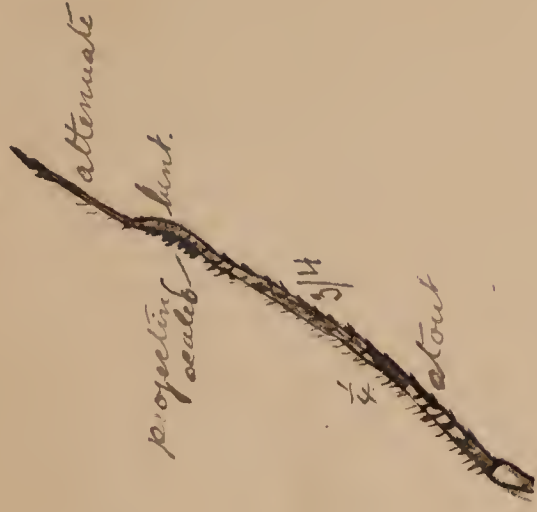


post. tib. outer spurs  $\frac{1}{2} - \frac{3}{4}$  ( $\frac{1}{2}$  Mayr)

Tongue w.d.

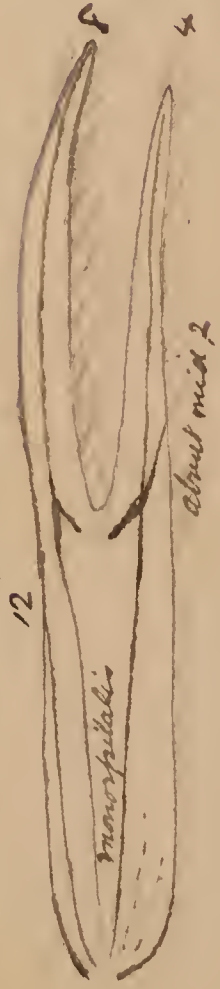


posterior or blunt rounded projection

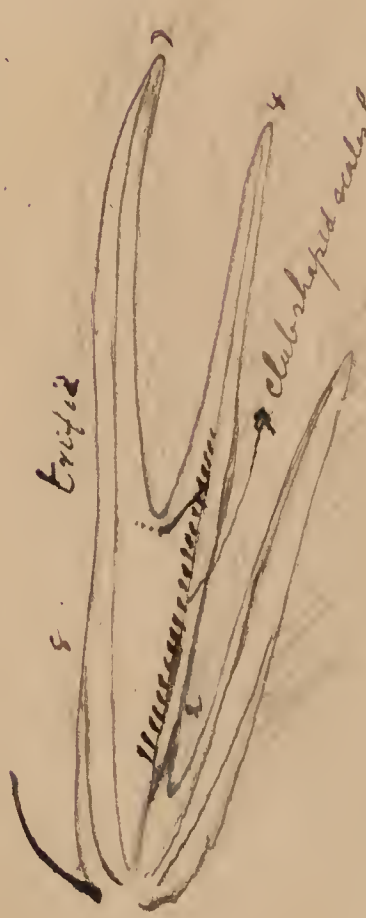


Pterophoridae. Wings cleft. if entire 8 by 2 sep.

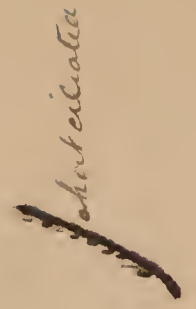
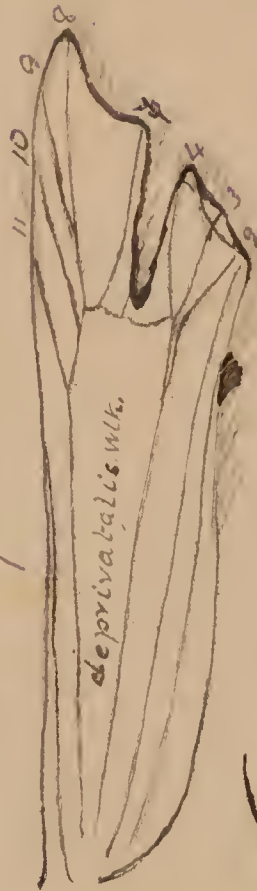
Pterophorus, <sup>Str.</sup> ~~Wgt.~~ 7 w 307 absent



post. lik. outer apers  $\frac{1}{5}$ . = (=, Pteroph.)  
Tongue wfd.



Platyphilia. 10 pairs & sep.

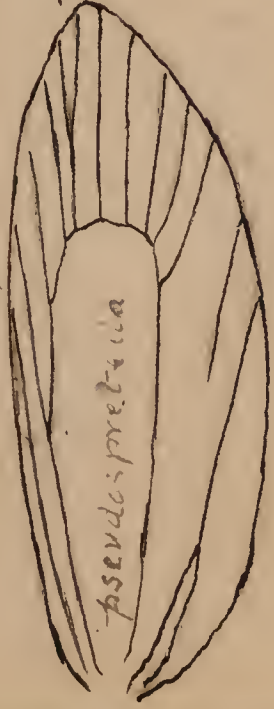


apers abt. equal.  
Tongue wfd.



# Oecophoridae. h/w 4, newly parallel, post. tib. hairy

*Acropsia*. Hb. few smooth: ant. w/ pecten. cannot see any difference. Ehb. 1/2 in. of *Borkhausen* mod.



post. tib w/ long fine hairs



3 to 4 to 5 to 6 to 7 to 8 to 9 to 10 to 11 to 12 to 13 to 14 to 15 to 16 to 17 to 18 to 19 to 20 to 21 to 22 to 23 to 24 to 25 to 26 to 27 to 28 to 29 to 30 to 31 to 32 to 33 to 34 to 35 to 36 to 37 to 38 to 39 to 40 to 41 to 42 to 43 to 44 to 45 to 46 to 47 to 48 to 49 to 50 to 51 to 52 to 53 to 54 to 55 to 56 to 57 to 58 to 59 to 60 to 61 to 62 to 63 to 64 to 65 to 66 to 67 to 68 to 69 to 70 to 71 to 72 to 73 to 74 to 75 to 76 to 77 to 78 to 79 to 80 to 81 to 82 to 83 to 84 to 85 to 86 to 87 to 88 to 89 to 90 to 91 to 92 to 93 to 94 to 95 to 96 to 97 to 98 to 99 to 100 to 101 to 102 to 103 to 104 to 105 to 106 to 107 to 108 to 109 to 110 to 111 to 112 to 113 to 114 to 115 to 116 to 117 to 118 to 119 to 120 to 121 to 122 to 123 to 124 to 125 to 126 to 127 to 128 to 129 to 130 to 131 to 132 to 133 to 134 to 135 to 136 to 137 to 138 to 139 to 140 to 141 to 142 to 143 to 144 to 145 to 146 to 147 to 148 to 149 to 150 to 151 to 152 to 153 to 154 to 155 to 156 to 157 to 158 to 159 to 160 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to 876 to 877 to 878 to 879 to 880 to 881 to 882 to 883 to 884 to 885 to 886 to 887 to 888 to 889 to 890 to 891 to 892 to 893 to 894 to 895 to 896 to 897 to 898 to 899 to 900 to 901 to 902 to 903 to 904 to 905 to 906 to 907 to 908 to 909 to 910 to 911 to 912 to 913 to 914 to 915 to 916 to 917 to 918 to 919 to 920 to 921 to 922 to 923 to 924 to 925 to 926 to 927 to 928 to 929 to 930 to 931 to 932 to 933 to 934 to 935 to 936 to 937 to 938 to 939 to 940 to 941 to 942 to 943 to 944 to 945 to 946 to 947 to 948 to 949 to 950 to 951 to 952 to 953 to 954 to 955 to 956 to 957 to 958 to 959 to 960 to 961 to 962 to 963 to 964 to 965 to 966 to 967 to 968 to 969 to 970 to 971 to 972 to 973 to 974 to 975 to 976 to 977 to 978 to 979 to 980 to 981 to 982 to 983 to 984 to 985 to 986 to 987 to 988 to 989 to 990 to 991 to 992 to 993 to 994 to 995 to 996 to 997 to 998 to 999 to 1000

*Borkhausen*. as *Gymnotaphus*, w/ ant. pecten & post. tib. w/ <sup>long</sup> ~~short~~ hairs  
*Gymnotaphus*. Mayr. Thorax smooth: no ant. pecten

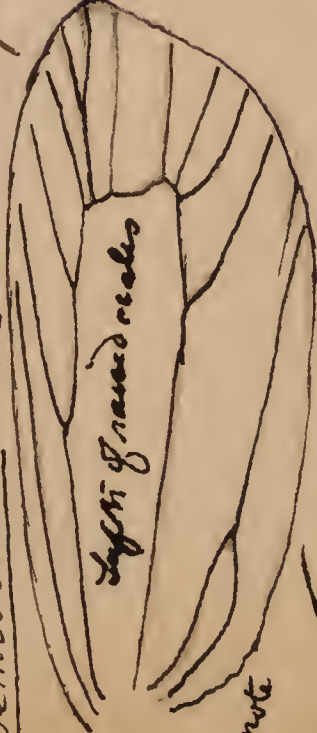


no pecten  
Thorax smooth.

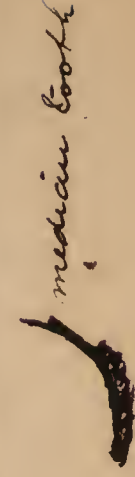
post. Tib w/ rather short hairs above.



*Semiosoma*. Mayr. Terminal joint of palpi w/ median tooth of scales.



post. Tib w/ mod. dense hairs above



5 short  
9 approx  
to 4.



Trachypetala mayr. flw 7 to apex. 2 from angle.



2 from angle  
7 to apex.

hindwings normal

Atomotricha mayr. ant. cil. long, fasciculate



7 to apex. 2 from hardly before angle

hindwings normal.

Phaeosacca 11147 ant. simple



7 to apex. 11 from onia



2062.



hindwings normal.



post. tib. w. long hairs above



post. tib. w. mod. loose hairs above.



simple

post. Tib. w. rather long hairs above



acute

slant



Nymphostola. f/w. 7 to apex. ant. cil. short  $\frac{1}{2}$ . palpi tipped beneath



mid. Tib. much haired beneath  
Post-Tib. short & not haired



Proteodes, as nymphostola. but palpi w/out tuft









TINEIDAE

head smooth-haired and jointed.

Tinea L. ant. simple, all veins usually full



terranea

2 near angle " before mid.



post tib loosely short-haired



Monopis H&B f/w 3/4 sthd



ethellola

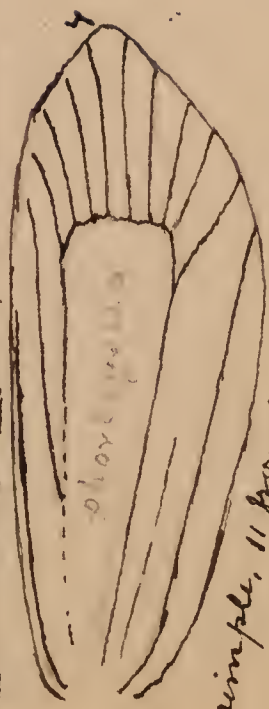
394 vltk



post. tib densely long-haired



Sagephora, may f/w 4 absent.



plavipennis

1 simple, " from 3



4. about



about

post tib long-haired



*Griffithsia* 12 lab. palp. smooth

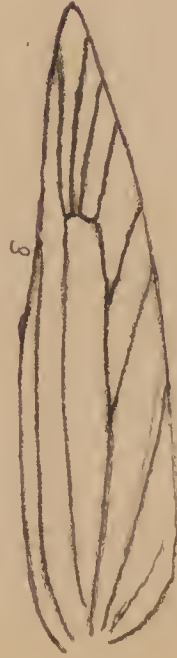


3 connect.

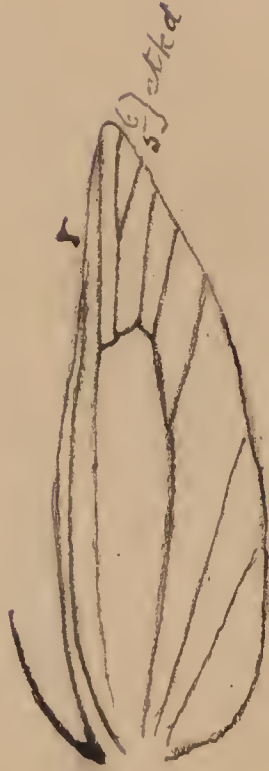
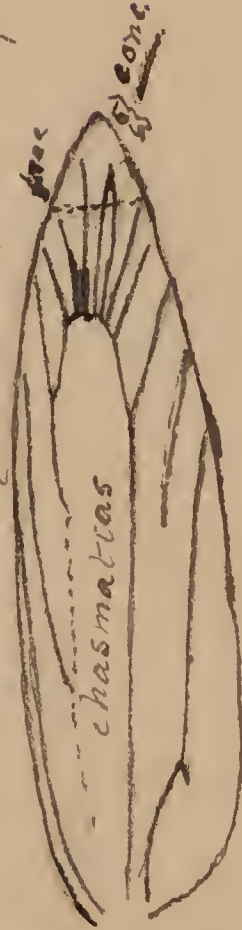


546 sthld. Trans. vein absent - lab. 4 & 5.

*Endophetora*, 12, 4, 1 simple h/w 4 present. lab. palp rough haired



*Erethias*. 12 apse ~~connect~~ apse <sup>12</sup> vent upwards, 5/6 conc.



thin & long.

post. tib. smooth



simple

post. tib. long haired.





Lysiphragma. Nees. flw all v. free, tufts of raised scales.



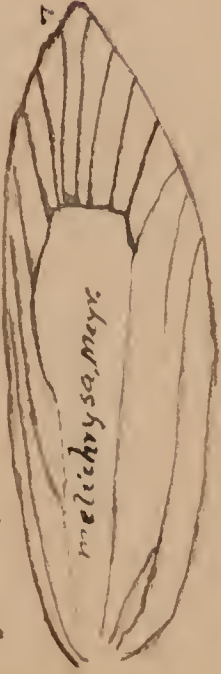
tufts of raised scales

11. from  $\frac{1}{3}$ , secondary cell, 7 to costa



546 sthd or approx.

Ecnatotypa. flw all free. hpr 5/6 sthd, 4 present, ant. basal portion



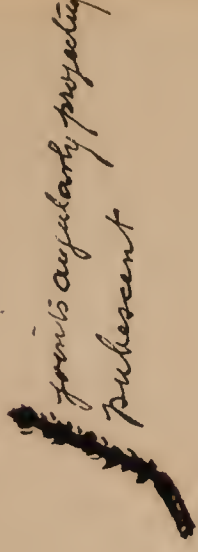
melichrysa, mpr



Mallobathra. flw 1/2 sthd 7 to 6 men: ant. biciliate



Scorreta



form is angularly projecting  
pubescent

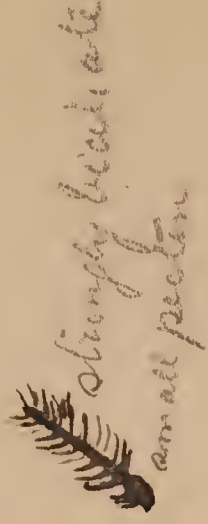
post. tib. rough-haired



obtusae



post. tib. rough haired



strongly biciliate  
small pecten

post tib. lat. appressed scales



short





# ELACHISTIDAE

Stachmopoda Stt

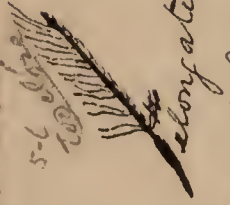
unipis pinnulate or linear



2 from near angle



cell open bet 5-6



elongate

post. tib. rough-haired above.

post. tarsi with projecting bristles at apex of two basal joints



smooth



















